**Lesson 3: Green Kids and Putting it all Together**

**How Recycling Helps Habitats and Endangered Animals**

**Level:** Rising Grades K - 5

**Time:** 2 55 minute lessons over a period of 2 days

**Overview/Purpose:**

Students will review recycling, endangered animals and habitats. They will create an original story about an endangered animal in the computer lab using free Storybird software. The theme of the stories will focus on how recycling can help keep animal’s habitats clean and safe. Students will also make the animal that they have been studying out of recycled materials using their posters as a guide.

**Content Objectives:**

Students will create two final projects to tie together all three of the concepts we have been discussing this week - habitats, endangered animals and recycling. One project will utilize technology and computer skills. The other project will use old fashioned hands-on messy creativity.   
  
**Technology Objectives:**Students will create a short video story that incorporates images and text using Storybird.

**Technology Standards:**

**NETS**

1. Creativity and Innovation: Students demonstrate creative thinking, constructive use of knowledge, and develop innovative products and processes using technology.

a. apply existing knowledge to generate new ideas, products, or processes

b. create original works as a means of group expression

2. Communication and Collaboration: Students use digital media and environments to communicate and work collaboratively, including at a distance, to support individual learning and contribute to the learning of others.

b. communicate information and ideas effectively to multiple audiences using a variety of media and formats

**Technology Required:**

1. Computer with internet access
2. Computer projector or interactive white board
3. Storybird software installed (free download from <http://storybird.com> )
4. Headphones and microphones

**Resources/Websites:**Materials, links and other items the students will use in the lesson

* The definitions of recycling created by each session yesterday will be printed and posted.
* Computer software for creating your own simple story - <http://storybird.com>
* Pencils
* Warm-up work sheets (1 per student)  
  ***Recycling Coloring Sheet*** – grades K – 2  
  ***Recycling Maze*** – grades 3 – 5
* Markers
* ***Green Kids - Storyboard*** work sheet for drawing a rough storyboard of each group’s ideas
* Animal poster made in Lesson 1
* All adults working with the students will have taken a basic tutorial in how to use Storybird before camp started so that they would be familiar with the software and able to assist the students with creating their group stories
* Glitter – large container
* Mod Podge – 6 large 8 oz. containers, gloss finish
* Recycled magazines and catalogs
* 1” foam brushes (1 per student)
* Newspapers to cover tables
* Box of 50 pairs of plastic gloves (non-latex to avoid allergy issues)
* Scissors – about 12 pairs
* Recycled small bowls or containers to pour Modge Podge/paint into for ease of use
* Small square bin or box (to use to catch excess glitter when sprinkling glitter on totes)
* Lots and lots of recyclable materials to choose from
* Washable tempura paints
* Miscellaneous craft supplies (feathers, beads, chenille stems, jewels, foamy stick-on shapes, googly eyes, etc.)
* Blank CD’s (1 per student)

**Prior Knowledge:**

Students will already know how to... be able to...

* Get onto the Internet from the computer desktop
* Navigate pages within a website
* This is a basic technology lesson for students. Students need basic computer skills such as typing, accessing digital picture files, opening and closing programs and following prompts from the program. Younger students will need additional help and will be paired up with a minimum of one adult per group to assist them.
* Knowledge about the group’s animal found in Lesson 1 and listed on the poster the group made in Lesson 1.
* Work with basic craft supplies like scissors and paint brushes
* Follow simple instructions for a craft project

**Procedure:**

Prior to lesson, librarian will:

* Unit Leaders will set up a Storybird account for students which will be accessible by using a simple login procedure
* Set out 1 copy of the worksheet for each student  
  ***Recycling Coloring Sheet*** – grades K – 2  
  ***Recycling Maze*** – grades 3 – 5  
  ***Green Kids - Storyboard*** work sheet
* Set out   
  Markers for students – grades K - 2  
  1 pencil for each student – grades 3 – 5
* Cover the craft tables with newspaper
* Make a sample of a Storybird story to show the class
* Make two animals out of recycled materials to use as inspiration

After the lesson, librarian will:

* Staff will download individual camper’s Storybird projects onto CD’s after camp on Day 4 and 5. These CD’s will then be given to campers at the Parent Open House.

**Day 4 - Lesson 3**

Warm-up (5 minutes)

1. Instruct students to work on the work sheets that have been set out for them, ***Recycling Coloring Sheet*** for grades K – 2 or ***Recycling Maze*** for grades 3 – 5.
2. When they have finished the worksheets, ask students to get into the groups they were in on Day 2. They are to get their poster and each group is to sit around one computer with at least one adult helper.

Introduction (10 minutes):

1. Tell students that now that they have their poster about their animal they are going to learn how to create a short story about how recycling can help keep their animal’s habitat clean and safe using Storybird. These stories will be on display on a computer at the Parent Open House Friday evening.
2. At the end of the session we will have a slide show of all the stories that you have made.
3. Demonstrate to the students about the different features of Storybird that they will be using to create their story on the computer. Introduce each of the following features:

* Show the sample Storybird story
* How to log on to Storybird
* How to begin a new project
* How to select, import and arrange your pictures
* How to add a title to your story
* How to add text to your story
* Saving your story

Instruction/Student Activity (35 minutes):

You may choose to demo each part of the project or have students work on the project step-by-step with teacher guidance.

1. Students will be working in groups with one adult helper per group
2. Have each group make a simple storyboard of what they want their story to say using the ***Green Kids - Storyboard*** work sheets
3. Story length:  
   One page for each member of the group – grades K – 2  
   One or two pages for each member of the group - grades 3 – 5
4. Does anyone have any questions before we get started?
5. Begin a new project
6. Have students open Storybird on their computers. Remind them to use their storyboards while they create their Storybird.
7. Import and arrange your pictures. Show students how to upload pictures onto Storybird using example images.
8. Add simple text to your story  
   One phrase per page for each member of the group – grades K – 2  
   One sentence per page for each member of the group - grades 3 – 5
9. Add a title to your story.
10. Save your Story

Assessment (5 minutes):

1. Slide show of all the stories at the end of the session

**Extensions:**

1. Grade K – 2 campers can work on the Recycling Maze.
2. Campers will be permitted to create additional pages for their Storybird project.

**Modifications:**

1. Grade 3-5 campers may want to work on the Recycling Color Maze.
2. Camper groups are encouraged to create at least 3 pages for their Storybird project. Additional time and assistance from staff will be given if needed.

**Day 5 - Lesson 3** (continued)

Introduction(5 minutes)

1. Tell students that they will be using all the skills and knowledge they have learned this week as they build their animal using recycled materials. These animals will be on display with your posters at the Parent Open House this evening.

Instruction (5 minutes)

1. Using any of the art supplies or recycled materials that you see here be as creative as possible and build a recycled version of your animal that you have been learning about all week.
2. Keep in mind the facts about your animal that you have on your poster.
3. Here is a sample of a kangaroo and a panda made out of recycled materials to help you get started. You can choose to put your animal on a base, like the kangaroo, or in a setting, like the panda.
4. Let a leader or aide know if you have any questions or need any help.
5. The last 5 minutes of the session we will all walk around and look at the animals. One member of each group should be ready to point out one special feature of their animal that the group thinks is most important to help it live in its habitat.
6. Does anyone have any questions before we get started?

Student Activity (40 minutes)

1. Students are instructed to get into their groups and begin making their recycled materials animal.

Assessment (5 minutes)

1. Everyone walks around the room and admires the animals and posters.
2. A member of each group points out one special feature of their animal that the group thinks is most important to help it live in its habitat.

**Extensions:**

1. Groups or individuals who finish their projects and want to continue creating will be encouraged to use their skills to help those groups or individuals who need additional assistance or ideas.

**Modifications:**

1. Groups or individuals who are not as familiar with this type of project will be encouraged to start with a small animal and build from there.
2. Additional assistance from a leader, aide or camper group who has finished their project early will be also be available.
3. Plastic gloves will be available for campers who prefer not to get glue or paint on their hands.